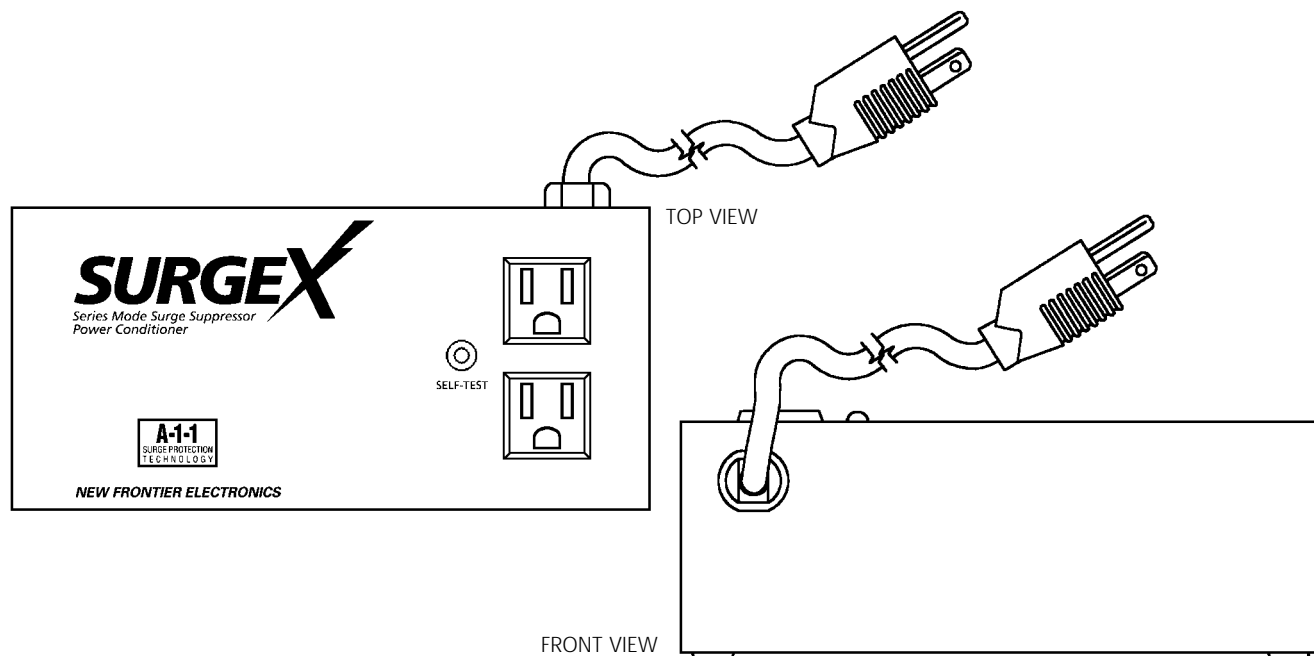


SURGEX[®] **SX15 iR2 and SX20 iR2** *Series Mode Pro[™]* Surge Suppressor and Power Conditioner

U.S. Patents 4,870,534 and 4,870,528



The SX15 iR2 and SX20 iR2 are specifically designed to upgrade and improve surge protection for audio, video and computer equipment. Compact standalone units with optional mounting brackets, the surge suppressors easily mount in an equipment rack. Both models have two three-prong receptacles on the front panel. The SX15 iR2 provides 15 amp protection; the SX20 iR2 is rated for 20 amps.

SurgeX patented *Series Mode Pro* technology is superior to conventional MOV circuitry. It provides proven, reliable protection; stopping surges of up to 6,000 volts, without producing ground contamination.

These components meet the most stringent government purchase specifications for powerline surge suppressors. Their A-1-1 rating assures you of dependable protection from destructive spikes, surges and inductive transients.

SURGE PROBLEMS ARE HISTORY!



SURGEX[®]
Professional AC Power Products

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SPECIFICATIONS

Load Rating: SX15 iR2 - 15 amps @ 120 volts; SX20 iR2 - 20 amps @ 120 volts.

UL 1449-2 Adjunct Classification Test Results: 1000 surges, 6000 volts, 3000 amps, C1 pulse, measured suppressed voltage 290 volts, no failures.

1996 U.S. Government Guidelines, Grade A, Class 1, Mode 1: SX15 iR2 and SX20 iR2 meet guidelines.

Limiters (3 circuits): Series surge reactor current limiter. Cascaded, auto-tracking dual polarity voltage limiter. Dual pulse inverters.

Clamping Voltage Onset: 172 volts nominal (2 volts above peak line voltage, auto-tracking).

Filter (bi-directional, wave tracking): With 50 ohm load: 3 dB @ 3 kHz; 38 dB @ 100 kHz; 50 dB @ 300 kHz.

Let-Through Slew Rate: 5000 volt/ μ s disturbance reduced to 28 volt/ μ s within power wave envelope; less than 10 volt/ μ s outside power wave envelope.

Snubber: Instant-reacting snubber for fast-rising surges generated within the building.

Maximum Applied Surge Pulse Joule Rating: Unlimited, due to current limiting (8 x 20 μ s).

Maximum Surge Pulse Voltage: 6000 volts (1.2 x 50 μ s pulse), industry standard rating.

Maximum Applied Surge Pulse Current: 100,000 amperes (8 x 20 μ s).

Endurance, IEEE C62.41-1991 Category B3 (C1) Pulses: 1 kv>500,000; 3 kv>10,000; 6 kv>1000 (NRTL-UL certified).

ARCHITECTURAL AND ENGINEERING SPECIFICATIONS

The surge suppressor shall be a compact standalone unit in a durable steel enclosure. It shall operate from 120 volts AC and have a 6-foot, grounded, 3-wire #14 (#12 for SX20 iR2) line cord. There shall be two standard three-prong AC receptacles on the top panel and a self-test circuit with visual indicator. Overall dimensions shall be 3.2" H (3.4" for SX20 iR2) x 7.8" W x 3.75" D. Weight shall be 5.0 pounds (5.5 pounds for SX20 iR2).

The surge suppressor shall have a load rating of 15 amps @ 120 volts (20 amps for SX20 iR2). It shall be UL 1449-2 Listed and meet 1996 U.S. Government Grade A, Class 1, Mode 1 Guidelines for powerline surge suppressors. There shall be three limiter circuits: a series surge reactor current limiter, a cascaded auto-tracking dual-polarity voltage limiter, and dual pulse inverters. The onset clamping voltage shall be 172 volts, nominal, and the unit shall have an instant-reacting snubber to protect against fast-rising surges generated within the installation location. The surge suppressor shall have an unlimited Applied Surge Current rating (8 x 20 μ s) and shall withstand at least 1000 occurrences of Surge Pulse Voltages up to 6000 volts.

FEATURES

- Made in U.S.A.
- Magnetic shielding steel enclosure
- 6' grounded 3-wire line cord; #14 cord for SX15 iR2; #12 for SX20 iR2
- Two three-prong AC receptacles on top panel
- Self-test circuit with visual indicator
- Dimensions:
SX15 iR2: 3.2" H x 7.8" W x 3.75" D
(8.1 x 19.8 x 9.5 cm)
SX20 iR2: 3.4" H x 7.8" W x 3.75" D
(8.6 x 19.8 x 9.5 cm)
- Weight:
SX15 iR2: 5.0 lbs (2.25 kg)
SX20 iR2: 5.5 lbs. (2.48 kg)

WHEN DOWNTIME IS NOT AN OPTION!

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